



## Carlton® Snap-Loc® Spacers

Carlton® Snap-Loc® Duct Spacers provide stability, consistent separation and relieve direct stress for duct materials encased in concrete and direct-bury applications.

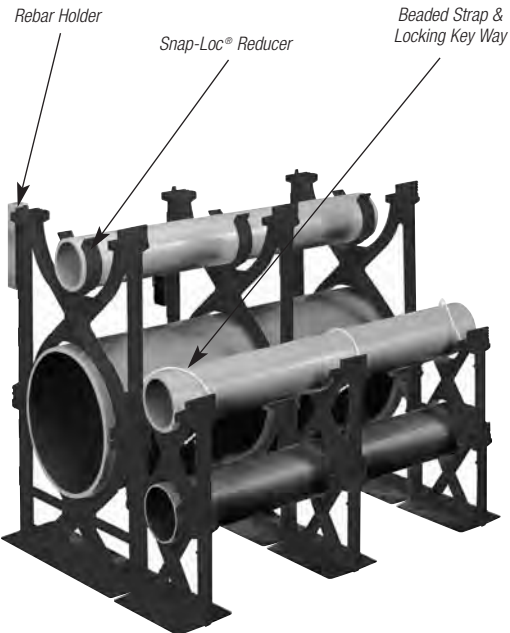
### Carlton® Snap-Loc® Spacers provide:

- A side dovetail rail-and-groove design enabling side-by-side interchangeability of conduit spacer sizes while maintaining horizontal stability
- Locking keyways incorporated into intermediate spacers eliminate the need for costly top spacers in each size. The locking keyways provide for the use of a beaded strap that secures the top section of conduit
- 1" and 2" Snap-Loc® Reducers enable fixturing of 1" or 2" conduit inside larger spacers
- The Snap-Loc® Rebar Holder provides stabilization on large banks of spacers

Non-metallic Snap-Loc® Spacers are designed specifically for use with non-metallic duct, with maximum O.D. dimensions as specified in NEMA TC-2, TC-6 & 8, and ASTM F512. The innovative vertical and horizontal interlocking Snap-Loc® design has tapered joining slots with maximum tolerances for easy jobsite assembly.

### Important:

The use of duct spacers for direct burial may result in excessive point deflections unless proper design engineering is applied, such as the proper compaction of the appropriate backfill material.





### Carlton® Snap-N-Stac™ Combo Spacers

Carlton® Snap-N-Stac™ Combo Duct Spacers are specifically designed to replace the two-piece base and intermediate spacer system, by combining the conventional base and intermediate spacer into a single unit!

Manufactured out of highly engineered thermoplastic material, Snap-N-Stac™ Spacers are strong, durable and able to withstand the rigors of concrete construction. They feature an innovative horizontal and EXCLUSIVE vertical locking system, and can be used as either a base or intermediate spacer.

Snap-N-Stac™ Spacers are available in one-way, two-way and three-way configurations (one-way and three-way only available in sizes 2" and 4"). They accept 2", 3", 4", 5" and 6" pipe and can be installed horizontally, vertically or turned upright for unique duct bank configurations.

This NEW one-piece design makes underground duct bank installations faster and easier than the conventional two-piece system — saving material and labor costs.

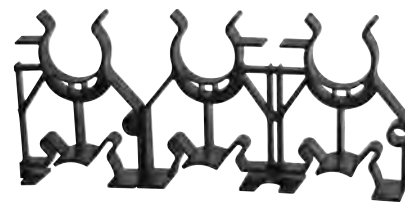
Carlton® Snap-N-Stac™ Combo Spacers...The IDEAL solution for underground duct bank installations.

#### Features:

- Conventional base and intermediate spacer in a single unit
- Less inventory required
- EXCLUSIVE vertical locking system
- Horizontal locking system
- Installs horizontally or turned upright
- Molded-in rebar holder on two-way and three-way
- One-, two- and three-way configurations (one-way and three-way only available in sizes 2" and 4")
- 5 sizes: 2", 3", 4", 5" and 6"
- Reducer to accommodate smaller duct sizes
- Can be used as either an intermediate or base spacer
- Spacers interlock horizontally regardless of size
- Non-metallic, non-corrosive, non-conductive
- Strong and durable
- Easy to handle
- Fast installation



One-way

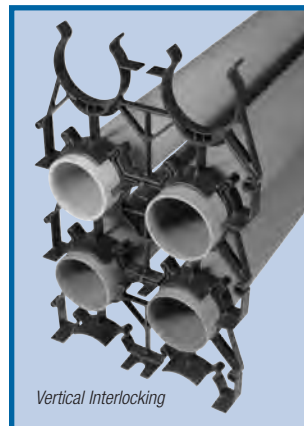


Three-way

#### Installations



Horizontal Locking



Vertical Interlocking



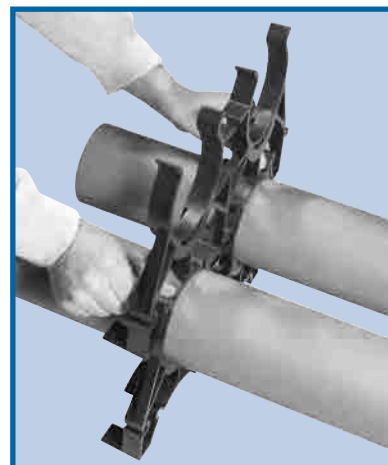
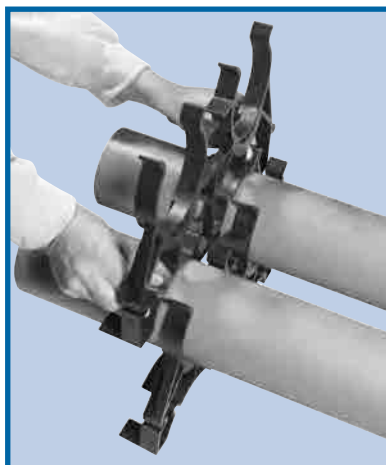
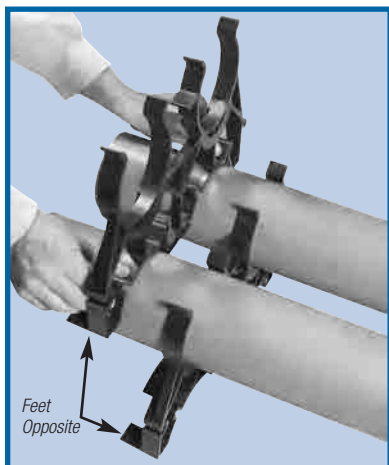
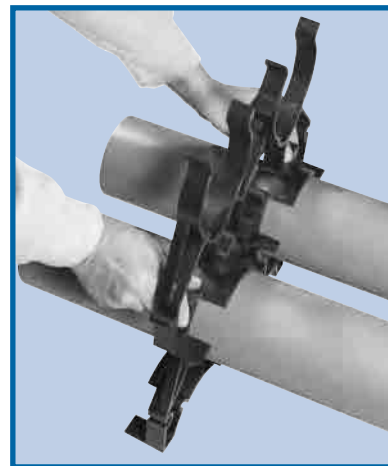
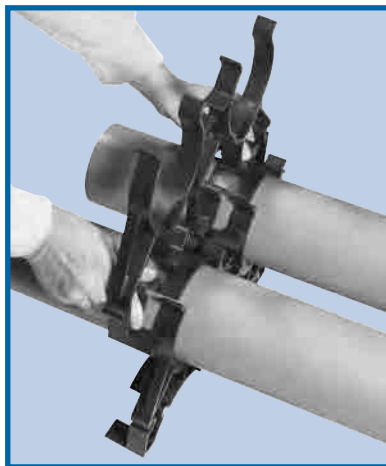
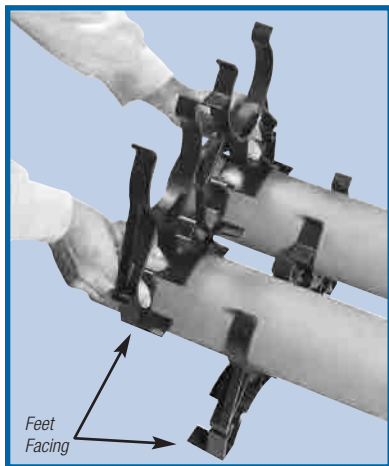
With Reducer

### Carlton® Snap-N-Stack™ Combo Spacers (continued) Installation Instructions

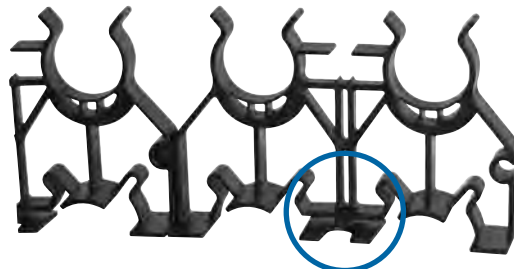
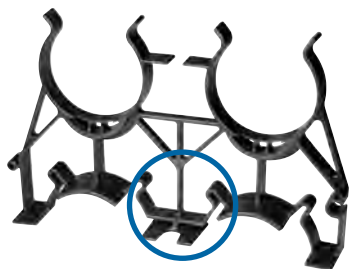
**IMPORTANT:**

1. Snap-N-Stack™ Spacers are recommended for concrete-encased applications only.
2. The use of duct spacers for direct burial may result in excessive point deflections unless proper design engineering is applied, such as the proper compaction of the appropriate backfill material.

**Vertical Interlocking** Slide spacers together "Feet Facing Feet."



**Molded-In Rebar Holder**



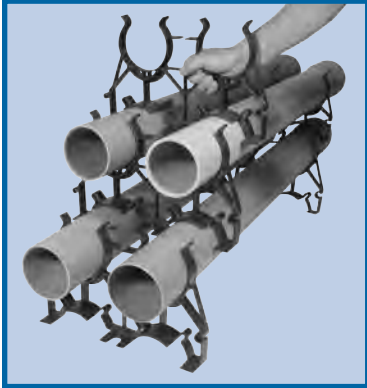




### Carlton® Snap-N-Stack™ Combo Spacers (continued) Installation Instructions

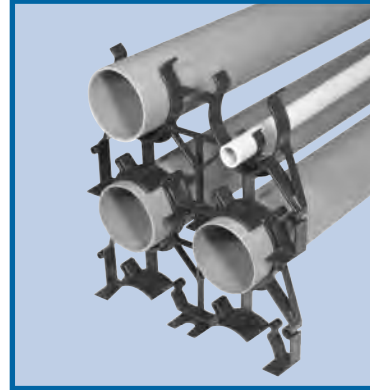
#### Vertical Free Standing

If spacers are installed using free-standing method, it is recommended to install the spacer on the upper row mid-way between the two spacers on the bottom row.



#### Reducer

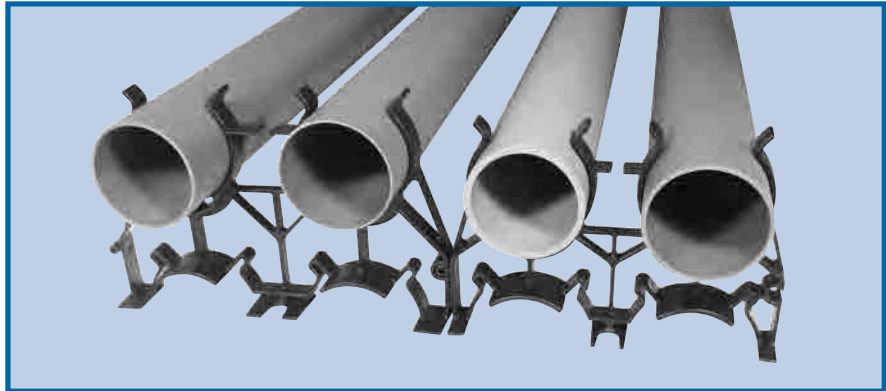
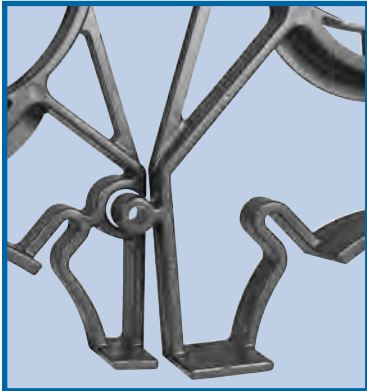
1" and 2" Snap-Loc Reducers enable fixturing of 1" and 2" conduit inside of larger spacers.



#### Transition to Various Duct Sizes

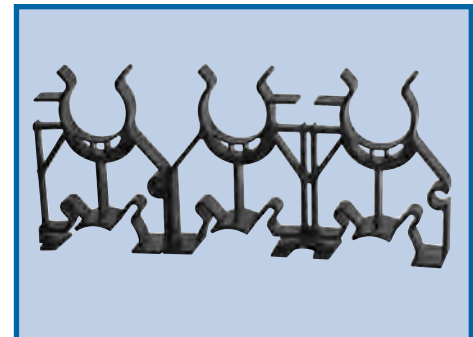
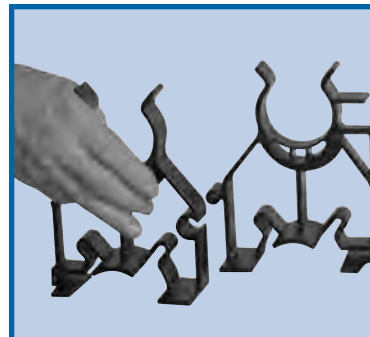
Install spacers side-by-side by inserting the male adapter into the female adapter.

NOTE: All Snap-N-Stack™ spacers are designed to interlock horizontally, regardless of size.



#### Odd Number of Ducts

Two-way spacers, size 2" and 4" only, can easily be cut apart to produce two one-way spacers. Create three-way and five-way spacers using the one-way spacer. Install spacers side-by-side by inserting the male adapter into the female adapter.



### Carlton® Snap-N-Stac™ Combo Spacers (continued)

CAT. NO.	DESCRIPTION	SIZE (IN.)	SEPARATION (IN.)	STD. CTN.	STD. WT. (LBS.)
SP2W20-1	1-Way Spacers	2	2	56	15.0
SP2W30-1		2	3	40	13.0
SP4W15-1		4	1½	26	9.6
SP4W20-1		4	2	20	10.0
SP4W30-1		4	3	20	9.4
SP2W20-2*	2-Way Spacers	2	2	56	28.5
SP2W30-2*		2	3	40	23.8
SP3W20-2		3	2	40	24.0
SP3W30-2		3	3	24	17.9
SP4W15-2*		4	1½	26	18.3
SP4W20-2*		4	2	24	18.8
SP4W30-2*		4	3	20	17.6
SP5W20-2	3-Way Spacers	5	2	20	17.2
SP5W30-2		5	3	14	15.5
SP6W20-2		6	2	12	12.8
SP6W30-2		6	3	12	14.1
SP2W20-3	3-Way Spacers	2	2	36	28.5
SP2W30-3		2	3	18	17.8
SP4W15-3		4	1½	18	19.4
SP4W20-3		4	2	16	19.3
SP4W30-3		4	3	14	19.1

\*Can be cut apart to make (2) one-way spacers.

### How to Interpret the Part Number:

POSITION 1 PRODUCT TYPE	POSITION 2 DUCT SIZE	POSITION 3 DUCT-TO-DUCT SPACING — HORIZONTAL AND VERTICAL	POSITION 4 HORIZONTAL DUCT POSITIONS
SP = Spacer	2W = 2" Width	15 = 1½"	-1 = One-Way
	3W = 3" Width	20 = 2"	-2 = Two-Way
	4W = 4" Width	30 = 3"	-3 = Three-Way
	5W = 5" Width		
	6W = 6" Width		

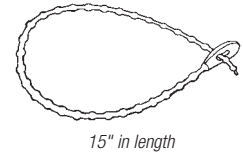
### Accessories Snap-Loc® Reducer

CAT. NO.	SIZE (IN.)	STD. CTN.
S287F	1	100
S287J	2	100



### Beaded Strap

CAT. NO.	STD. CTN.
S28612	100



### Technical Information

CAT. NO.	DUCT SIZE (IN.)	DUCT O.D.	HORIZONTAL DUCT POSITIONS	DUCT-TO-DUCT SPACING		CENTER-TO-CENTER SPACING		BOTTOM OF TRENCH TO BOTTOM OF DUCT	BOTTOM OF TRENCH TO CENTER OF BOTTOM OF DUCT	OVERALL LENGTH
				VERTICAL (IN.)	HORIZONTAL (IN.)	VERTICAL (IN.)	HORIZONTAL (IN.)			
SP2W20-1	2	2.375	1	2	2	2.19	2.19	3.13	4.25	4.38
SP2W30-1	2	2.375	1	3	3	2.69	2.69	4.13	5.25	5.38
SP4W15-1	4	4.500	1	1.5	1.5	3.00	3.00	3.38	5.56	6.00
SP4W20-1	4	4.500	1	2	2	3.25	3.25	3.88	6.06	6.50
SP4W30-1	4	4.500	1	3	3	3.75	3.75	4.88	7.06	7.50
SP2W20-2	2	2.375	2	2	2	4.38	4.38	3.13	4.25	8.75
SP2W30-2	2	2.375	2	3	3	5.38	5.38	4.13	5.25	10.75
SP3W20-2	3	3.500	2	2	2	5.50	5.50	3.63	5.38	11.00
SP3W30-2	3	3.500	2	3	3	6.50	6.50	4.63	6.38	13.00
SP4W15-2	4	4.500	2	1.5	1.5	6.00	6.00	3.38	5.56	12.00
SP4W20-2	4	4.500	2	2	2	6.50	6.50	3.88	6.06	13.00
SP4W30-2	4	4.500	2	3	3	7.50	7.50	4.88	7.06	15.00
SP5W20-2	5	5.500	2	2	2	7.56	7.56	4.38	7.25	15.12
SP5W30-2	5	5.500	2	3	3	8.56	8.56	5.38	8.25	17.14
SP6W20-2	6	6.625	2	2	2	8.62	8.62	4.13	7.38	17.25
SP6W30-2	6	6.625	2	3	3	9.62	9.62	5.13	8.38	19.25
SP2W20-3	2	2.375	3	2	2	4.38	4.38	3.13	4.25	13.13
SP2W30-3	2	2.375	3	3	3	5.38	5.38	4.13	5.25	16.13
SP4W15-3	4	4.500	3	1.5	1.5	6.00	6.00	3.38	5.56	18.00
SP4W20-3	4	4.500	3	2	2	6.50	6.50	3.88	6.06	19.50
SP4W30-3	4	4.500	3	3	3	7.50	7.50	4.88	7.06	22.50

### Carlton® P&C Flex™ Corrugated Flexible Conduit

Carlton® P&C Flex™ Non-Metallic Corrugated Conduit makes power and communication installations faster and easier by providing maximum installation flexibility. The corrugated design is flexible enough to accommodate any degree of bend requirement. Unlike rigid conduit, it has a tight bend radius, making this product ideal for shallow trenches.

P&C Flex™ is manufactured to IPS dimensions and can be used with any existing conduit system using standard fittings. It is UV resistant and suitable for a variety of applications, including direct burial, under bridges, service entrance/FTTx terminations, manhole terminations, pedestal/enclosure terminations and running up utility poles or outside of buildings.

P&C Flex™ is available in sizes 3/4" though 4", with or without pull tape (1" through 4" only) and comes in a variety of convenient standard put-ups.

#### Features:

- Accommodates any degree of bend — ideal for shallow trenches
  - For use with HDPE — Use ELA\_ Series Fittings
  - For use with PVC — Use E940\_ Series Fittings
- Easily handles offsets
- Manufactured to IPS dimensions — can be used with standard IPS coupling/fittings
- UV resistant
- Can be used as a flexible sweep or raceway — one SKU can do multiple bends
- Available in sizes 3/4" though 4"
- Small put-ups for easy handling

NOTE: Not UL Listed.

### Applications

